

FUGZAN, M.D., kand.tekhn.nauk

Using chutes with chain gates for loading lump ore. Gor. zhur.
no.9:34-36 3 '61. (MIRA 16:7)

1. Institut gornogo dela im. A.A.Skochinskogo, Moskva.
(Ore handling--Equipment and supplies)

FUGZAN, M.D., kand.tekhn.nauk; VORONKOV, N.A., kand.tekhn.nauk

Change in the size of ore in systems with large-scale
blasting. Vzryv. delo no.50/7:157-161 '62. (MIRA 15:9)

1. Kol'skiy filial AN SSSR imeni S.M. Kirova.
(Blasting)
(Mining engineering)

FUGZAN, M. D., kand. tekhn. nauk

Effect of partial drawing from the face zone on the output of
large-size pieces of ore in breaking "under compression." Gor.
zhur. no.11:25-30 N '62. (MIRA 15:10)

1. Institut gornogo dela imeni Skochinskogo.

(Blasting)

BARON, Lazar' Israilevich, prof., doktor tekhn. nauk; FUGZAN, Mark Davidovich; MARKENZON, Eduard Iosifovich; KRASIKOV, V.M., red.izd-va; VINOGRADOVA, N.F., tekhn. red.

[Experience in the comprehensive study of the resistance of rocks to distruction by quarrying] Opyt kompleksnogo issledovaniia soprotivliaemosti gorn'nykh porod razrusheniiu pri dobyvanii. Moskva, Izd-vo AN SSSR, 1963. 223 p.
(MIRA 17:3)

AGOSHKOV, M.I.; FUGZAN, M.D., kand. tekhn. nauk

Mechanization of technological processes is the basis for
improving mining systems. Gor. zhur. no.7:3-8 J1 '63.
(MIRA 16:8)

1. Chlen-korrespondent AN SSSR (for Agoshkov).

FUGZAN, M.D., kand. tekhn. nauk

Classification of one-stage working of thick ore deposits
with caving of ore and enclosing rocks. Nauch. soob. IGD 18:
88-99 '63. (MIRA 16:11)

FUGZAN, M.D., kand. tekhn. nauk

Problems in blasting. Nauch. soob. IGD 18:210-214 '63.
(MIRA 16:11)

FUGZAN, Mark Davydovich; BRONNIKOV, D.M., doktor tekhn. nauk,
retsenzent; KOVALEV, I.A., kand. tekhn. nauk, otv. red.;
SMIRENSKIY, M.M., red.

[Practice of single-stage mining of thick ore deposits
with large-scale breaking down] Opyt odnostadiinnoi raz-
rabotki moshchnykh rudnykh mestorozhdenii s kassovoi ot-
boikoi. Moskva, Izd-vo "Nedra," 1964. 130 p.

(NIRA 17:7)

FUGZAN, M.D., kand. tekhn. nauk; SADOVSKIY, G.I., kand. tekhn. nauk;
ZHMURKO, P.T., gornyy inzh.; FILIPPENKOV, A.I., gornyy inzh.;
KOREN'KOV, E.N., gornyy inzh.; SHABLYGIN, A.I., kand. tekhn. nauk

Searching for optimal parameters of the induced block caving system
at the "Zapoliarnyy" mine. Gor. zhur. no.6:19-24 Je '65. (MIRA 18:7)

FUGZAN, M.D.; YAKOVLEV, O.A.

Selecting an efficient way of ore drawing during the single-stage working of thick ore deposits. Cor. zhur. no.10:45-49
O '65. (MIRA 18:11)

1. Institut gornogo dela im. A.A. Skochinskogo.

^N
FUHH, I.E. (Bucuresti); HIRSU, M. (Bucuresti)

Lacerta praticola pontica Lantz and Cyren, a new lizard for the
Dobruja herpetologic fauna. *Natura Biologie* 14 no.5:39-41
S-0 '62.

VINTILA, I., Dr., ~~RUM.~~ I.R., Microbiologist, VINTILA, Petronela, Dr,
and POPESCU, Virginia, Dr [affiliation not given]

"Poisonous Spiders in the Fauna of Rumania: Latrodectus tredecim-
cimguttatus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8,
No 3, May-Jun 63, pp 231-236.

Abstract [Authors' English summary modified]: Reports a case
of araneism following the bite of a Latrodectus tredecim-
tatus. The clinical picture corresponded to that described
in the literature, and the diagnosis was confirmed by exami-
nation of the spider performed by the Institute of Biology
of the RPR Academy. It is the first clinical case of this
poisoning reported in Rumania and the first time this spider
was identified in the country's fauna. Includes 1 figure
and 1 Russian and 1 Rumanian reference.

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RUMANIA

FUHN, Ion E.

"Mollusca, Bivalvia (shells), the fauna of Rumania" by V.A.
Grossu. Vol.3. Reviewed by Ion E. Fuhn. Rev biol 8 no.2:
236-237 '63.

NICULESCU, Floriana; FUHN, Ion E.

Research on the food of the Rana r. ridibunda Pallas frog.
Studii biol agr Iasi 14 no.1:193-211 '63.

FUHN, I.E. (Bucuresti)

The Carpathian triton (*Triturus montandoni* Boulenger) in the
Fagaras Mountains. *Natura Biologie* 15 no.1:78-79 Ja-F '63.

FUHN, I.E. (Bucuresti)

"Natural parthenogenesis in the *Lacerta saxicola* polymorphic group" by I.S.Darewski, W.N.Kulikowa. Reviewed by I.E.Fuhn.
Natura Biologie 15 no.5:94-95 S-0'63.

FUHN, J.; VANCEA, S.

Contributions to the systematization and ecology of Lacertidae of Rumania. II.
Forest green lizard, Lacerta viridis viridis Laurentus. In Rrench. p. 61.

ANALELE STIINTIFICE. SECTIUNEA II: STIINTE NATURALE. Iasi. Rumania.
Vol. 5, no. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,
January 1960.

Uncl.

FUHN, I.

Mediterranean varieties of land turtles in Romania; Testudo graeca ibera
Pallas, Testudo hermanni hermanni Gmelin. p. 178.
(Ocrotirea Naturil, No. 2, 1956, Bucuresti, Romania)

SO: Monthly List of East European Accessions (MEAL) Lc. Vol. 6, No. 8, Aug 1957, Uncl.

FUHN, I.

Are ichthyophagous birds harmful to the fish economy? p. 185.
(Ocrotirea "aturil", No. 2, 1956, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (HEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

RUMANIA/Human and Animal Morphology - Normal and Pathological. S
Anomalies of Development and Pathological Anatomy

Abs Jour : Ref Zhur Biol., No 11, 1958, 50436

Author : Marinescu, G., Sarateanu, D., Fuhrer, B., Draganescu, N., Samuel, I., Ionescu, M., Cojocaru, V.

Inst : Rumanian Academy

Title : Pathomorphological Picture of Experimental Influenza in Suckling Mice

Orig Pub : Studii si cercetari inframicrobiol., microbiol. si parazit. Acad. RPR, 1956, 7, No 1-2, 77-92

Abstract : The experimental animals (60 suckling mice, 70 adult mice, 48 suckling rats and 49 adult rats) were infected either with the virus of influenza A or with the same virus and and pathogenic bacteria (Hemophilus influenzae, pneumococcus, staphylococcus). The virus of influenza caused a

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Human and Animal Morphology - Normal and Pathological
Anomalies of Development and Pathological Anatomy

Abs Jour : Ref Zhur Biol., No 11, 1958, 50436

more acute form of disease in sucklings than in adult animals. This was expressed by more rapid development of infection; greater lethality and more marked morphological changes. When other microorganisms were added, especially H. influenzae, a more severe anatomicoclinical picture of disease developed; in many cases, sepsis occurred. In view of the appearance of multiple affections in the infected animals, the authors assume the existence in the virus of influenza, apart from tropism to the epithelium of the respiratory organs and endothelium of the capillaries, also of other kinds of tropism (neuro-, hepato-, lympho-, myocardiotropism, etc.).

-- N. Mastjukova

Card 2/2

NICOIAU, St.S.; DRAGANESCO, N.; NICOIAU, Cl.S.; FUHRER, B.; GIRD, E.;
IONESCO, N.I.

A new type of anti-rabies vaccine; investigations into the migration of the vaccina virus in the animal organism by means of radioactive substances. Acta virol, Engl. Ed., Praha 3(Supplem.): 91-96-1959.

1..Institute of Inframicrobiology, Academy of the Rumanian People's Republic, Bucharest.
(RABIES, immunology)

NASTAC, E.; FUHRER, B.

The action of herpes virus on Crooker's mouse sarcoma. Stud.
cercet. inframicrobiol., Bucur. 10 no.2:173-178 '59.

1. Comunicare prezentata la Institutul de inframicrobiologie al
R.P.R., in sedinta din 7 iulie 1958.

(HERPES, virus)

(SARCOMA, experimental)

SARATEANU, D.; NASTAC, E.; FUHRER, B.; OPRESCU, E.; HUNG, T.

Research on ornithosis virus infection in the Rumanian People's
Republic. Stud. cercet. inframicrobiol., Bucur. 11 no.1:73-88 '60.
(ORNITHOSIS epidemiology)

~~NASTAS, E.~~ FUHRER, B.

Research on the action of several viruses on various experimental tumors. Stud. cercet. inframicrobiol., Bucur. 11 no.1:89-105 '60.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R. in Sesiunea stiintifica festiva din 17-18 august, 1959.

(NEOPLASMS, experimental)
(VIRUSES)

NASTAC, E.; SAMUEL, I.; FUHRER-ANAGNOSTE, B.

Cultivation of mouse Ehrlich ascites carcinoma in chick embryo.
Stud. cercet. inframicrobiol., Bucur. 11 no.2:257-261 '60.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R. in sedinta din 2 noiembrie 1959.
(NEOPLASMS exper.)

NASTAC, E.; FUHRER-ANAGNOSTE, B.

The results of the investigations of the Institute of Inframicrobiology
in the field of oncolysis produced by viruses. Stud. cercat. infra-
microbiol. 12:107-117 '61.

(NEOPLASMS experimental)

(VIRUSES)

NASTAC, E.; FUHRER-ANAGNOSTE, B.; SARATEANU, D.

Action of certain viruses upon Ehrlich's ascitic carcinoma in mice.
III. Viruses of swine plague, fowl pox, and sheep pox. Studii cerc
inframicrobiol Special issue-supplement to 12:275-278 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru
al Comitetului de redactie, "Studii si cercetari de inframicrobio-
logie" (for Sarateanu).

(VIRUS DISEASES) (TUMORS)

NICOLAU, St. S., acad.; SARATEANU, D.; NASTAC, E.; OPRESCU, E.;
FUHERE-ANAGNOSTE, B.; HUAI, C. T.

Active antiornithotic immunization in white mice. Studii cerc infra-
microbiol Special issue-supplement to 12:315-322 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al
Comitetului de redactie si redactor responsabil, "Studii si cercetari
de inframicrobiologie" (for St. S. Nicolau) 3. Membru al Comitetului
de redactie, "Studii si cercetari de inframicrobiologie" (for
Sarateanu).

(ORNITHOSIS) (IMMUNITY)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; ROMAN, AL.
DUMA, D.; MARTA, M.

Identification of a virus of the pararickettsia group, and its isolation from the calves stricken with enzootic bronchopneumonia. Studii cerc inframicrobiol Special issue-supplement to 12:323-328 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateanu, Surdan, Sorodoc, and Fuhrer-Anagnoste). 2. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman). 3. Laboratorul regional veterinar Oradea (for Duma and Marta). 4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(VETERINARY MEDICINE) (PNEUMONIA)
(RICKETTSIAL DISEASES)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; SURDAN, C.; NASTAC, E.;
LISSIEVICI-OPRESCU, E.; DUMA, D.; MARTA, M.; ROMAN, Al.

Serologic studies on the incidence rate of ornithotic antibodies
in some mammals. Studii cerc inframicrobiol Special issue-supplement
to 12:329-334 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for Sarateanu, Sorodoc, Fuhrer-Anagnoste, Surdan, Nastac, and Lissievici-Oprescu).
2. Laboratorul regional veterinar Oradea (for Duma and Marta).
3. G.A.S. (Gospodarie Agricola de Stat) Rosia (for Roman).
4. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(ORNITHOSIS) (ANTIGENS AND ANTIBODIES)

SARATEANU, D.; SURDAN, C.; SOBODOC, G.; FUHRER-ANAGNOSTE, B.; in colaborare
cu DUMA, D.; MARTA, M.; CUPSA, V.

Investigations of an ornithosis epizootic in canaries connected with
human cases. Stud. cercet. inframicrobiol. 12 no.3:347-351 '61.

1. Comunicare prezentata la Institutul de infromicrobiologie al
Academiei R.P.R. in sedinta din 5 mai 1961.
(ORNITHOSIS epidemiology)

SARATEANU, D.; NASTAC, E.; FUHRER-ANAGNOSTE, B.; SORODOC, G.; SURDAN, C.;
LISSIEVICI-OPRESCU, E.; SUTEU, V., asistent tehnic; ANENCOV, I.,
asistent tehnic

Incidence rate of ornithotic antibodies in men working in the zootechnical field. Studii cerc inframicrobiol Special issue-supplement to 12:365-371 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al
Comitetului de redactie; "Studii si cercetari de inframicrobiologie"
(for Sarateanu).

(ANTIGENS AND ANTIBODIES) (ORNITHOSIS)
(OCCUPATIONAL DISEASES)

SURDAN, C.; SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; ANENCOV, E.,
assistant tehnic

Isolation of a virus of the pararickettsia group from the enzootic
granulous vulvovaginitis in cattle. Studii cerc inframicrobiol
Special issue-supplement to 12:373-379 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al
Comitetului de redactie, "Studii si cercetari de inframicrobiologie"
(for Sarateanu).

(VIRUSES) ... (RICKETTSIAL DISEASES)
(VAGINITIS IN CATTLE)

NASTAC, E.; FUHRER-ANAGNOSTE, B.; SARATEANU, D.

Investigations concerning the action of certain viruses on Ehrlich ascitic carcinoma in mice. III. The action of swine pest, fowl pex and sheep pex viruses. Rev. sci. med. 6 no.1/2:77-79 '61.

(NEOPLASMS experimental) (VIRUSES)

NICOLAU, St. S.; SARATEANU, D.; NASTAC, E.; OPRESCU, E.; FUHRER-ANAGNOSTE, B.p
HUIAI, C. T.

A study on active antiornithosis immunization in the white mouse.
Rev. sci. med. 6 no.1/2:81-84 '61.

1. Member of the Academy of the R.P.R. (for Nicolau).

(ORNITHOSIS immunology)

SARATEANU, D.; SURBAN, C.; SORODOC, G.; FUHRER-ANAGHOSTE, B.

Investigations on the isolation and identification of a virus of the
pararickettsial group from calves with enzootic broncho-pneumonia.

Rev. sci. med. 6 no.1/2:101-104 '61.

(BRONCHOPNEUMONIA veterinary)

(RICKETTSIAL DISEASES veterinary)

SARATEANU, D.; NASTAC, E.; FUHRER-ANAGNOSTE, B.; SORODOC, G.; SURDAN, C.;
LISSIEVICI-OPRESCU, E.

Incidence of anti-ornithosis antibodies in workers of the zootechnical
department. Rev. sci. med. 6 no.1/2:105-108 '61.

(ORNITHOSIS immunology)
(OCCUPATIONAL DISEASES)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; SURDAN, C.; NASTAC, E.;
LISSIEVICI-OPRESCU, E.; unter Mitarbein von DUMA, D.; MARTA, M.;
ROMAN, Al.

Serological investigations of the presence of anti-ornithosis anti-
bodies in some mammals. Rev. sci. med. 6 no.1/2:109-112 '61.

(ORNITHOSIS immunology)
(CATTLE diseases)
(SHEEP diseases)

SURDAN, C.; SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.

Virus of the pararickettsial group isolated from cows with granular
vulvovaginitis. Rev. sci. med. 6 no.1/2:127-129 '61.

(VULVOVAGINITIS virology)
(RICKETTSIAL DISEASES veterinary)

SARATEANU, D.; SURDAN, C.; SORODOC, Gh.; FUHRER-ANAGNOSTE, B.

Isolation of an inframicrobe from a focus of ovine enzootic abortion.
Stud. cercet. inframicrobiol. Bucur. 12 no.1:95-103 '61.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R. ~~de microbiologie si epidemiologie~~
(ABORTION veterinary) (MITSUGAWANELLA)
(SHEEP diseases) (SALMONELLA INFECTIONS veterinary)

NASTAC, E.; FUHRER-ANAGNOSTE, B.

Investigations concerning the action of several viruses on Ehrlich's
ascitic carcinoma. I. The action of herpes virus and vaccinia virus.
Stud. cercet. inframicrobiol. Bucur. 12 no.2:223-238 '61.
(NEOPLASMS experimental) (CARCINOMA experimental)
(HERPES virology) (VACCINIA virology)

NICOLAU, St.S. academician; SURDAN, C.; SARATEANU, D.; ATHANASIU, P.;
FUHRER-ANAGNOSTE, B.; in colaborare cu ILIESCU, C.; RADESCU, R.

Viral etiology in the field of cardiovascular diseases. I. Isolation
of viruses from the blood of patients with cardiovascular diseases.

Stud. cercet. inframicrobiol. 12 no.3:275-283 '61.

(RAYNAUD'S DISEASE virology) (THROMBOANGITIS OBLITERANS virology)

(MYOCARDIAL INFARCT virology) (MIYAGAWANELLA)

SARATEANU, D.; SORODOC, G.; SURDAN, C.; FUHRER-AN-ANAGHOSTE, B.

Bovine ornithosis bronchopneumonia and the possibilities of human contamination. Stud. cercet. inframicrobiol. 12 no.3:353-358 '61.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(ORNITHOSIS transmission) (CATTLE diseases)
(BRONCHOPNEUMONIA)

NASTAC, E.; FUHREANAGNOSTE, B.; TARCHILA, D.

Experimental investigations of human leukemia. I. Attempted
transmission to hybrid white mice, Stud. cercet. inframicrobiol.
12 no.3:259-362 '61.

(LEUKEMIA experimental)

NASTAC, E.; FUHRER-ANAGNOSTE, B.

Experimental investigation of marine leukemia. I. Encephalopathy transmissible to guinea pigs and rabbits by inoculation of leukemic products from Akm mice. Stud. cercet. inframicrobiol. 12 no.3: 363-366 '61.

(LEUKEMIA experimental) (MENINGOENCEPHALITIS experimental)

SARATEANU, D.; SORODOC, G.; FUHRER-ANAGHOSTE, B.; SURDAN, C.; NASTAC, E.;
LISSIEVICI-OPRESCU, E.; in colaborare cu DUMA, D.; MARTA, M.;
ROMAN, Al.

Serological investigations of the incidence of anti-ornithosis
antibodies in some species of mammals. Stud. cercet. inframicrobiol.
12:329-334 '61.

(CATTLE diseases) (SHEEP diseases)
(ORNITHOSIS immunology)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.

Investigations on the incidence of ornithosis infections in bovines.
Izv. microbiol. inst. (Sofia) 13:143-147 '61.

(ORNITHOSIS veterinary) (CATTLE dis)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; in colaborare
cu ROMAN, A.; DUMA, D.; MARTA, M.

Investigations concerning the isolation and identification of some
inframicrobes of the pararickettsial group from calves with enzootic
bronchopneumonia. Stud. cercet. inframicrobiol. 12:323-328 Supplement
'61.

(BRONCHOPNEUMONIA virology) (CATTLE diseases)
(MIYGAWANELIA)

DRUCKER, A.; FUHRMANN, Coloman, ing.; GOMOIU, Alex.; CALUGAREANU, Ad. ing;
SAVIDIS, C., ing.; TELEA, Gh.; BORCEA, N.; JOGAREANU, O.; RIZEA,
Nicolae; DUMITRESCU, Gheorghe.

Present problems of labor output rates. Probleme econ 17 no.5:
157-160 My '64.

1. Director, "Victoria"-Calan Plant (for Drucker). 2. Head of
the Department of Labor Organization, "Victoria"-Calan Plant (for
Fuhrmann). 3. Director, "Steaua Rosie" Plant, Bucharest (for
Gomoiu). 4. Head of the Department of Production Organization,
"Steaua Rosie" Plant, Bucharest (for Calugareanu). 5. Director,
Medgidia Cement Works (for Savidis). 6. Head of the Department
of Labor Organization, Medgidia Cement Works (for Telea). 7.
Director, Enterprise of Electricity, Sibiu (for Borcea). 8. Head
of the Department of Labor Organization, Enterprise of Electricity,
Sibiu (for Jogareanu). 9. Director, "Carmen" State Industrial
Enterprise, Bucharest (for Rizea). 10. Head of the Department
of O.N.M., "Carmen" State Industrial Enterprise Bucharest (for
Dumitrescu).

FOCSA, I., ing.; TAT, S., ing.; FUIOREA, D., tehn.

Research organized for the determination of thermoresistant explosive manufacture formulas and the results obtained in experimenting with them in mines with high temperatures. Rev min 14 no.9:410-412 S '63.

FUISZ, J.

Work plans and silviculture. p. 212. (AZ ERD, Budapest, Hungary), Vol. 3,
No. 6, June 1954.

SO: Monthly List of East European Accessions, (ERAL), IC, Vol. 4,
No. 5, May 1955, Uncl.

FUISZ, J.

Storing the seeds of white poplars. p. 37. (Az Erdo, Vol. 6, No. 1, Jan 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

FUISZ, Jozsef

New interpretation of the "utilization value" of seeds. Erdo
13 no.7:313-316 J1 '64.

1. Head, Seed Testing Station, Scientific Institute of Forestry,
Rackeve.

FÜLSZ, József, tudományos főmunkatárs

State of seed testing in Hungary. Erdo 14 no.2:70-76 F '65.

1. Scientific Institute of Forestry, Rakovec.

CZECHOSLOVAKIA

FUJINAGA, T., IZUTSU, K., INOUE, T.

Chemistry Institute, Faculty of Science, University of Kyoto,
Sakyo-ku, Kyoto, Japan. (for all).

Prague, Collection of Czechoslovak Chemical Communications,
No 12, December 1965, pp 4202-4209

"Studies on the use of electrochemical marking in the polaro-
graphic trace analysis."

(For the 75th birthday of Academician J. Heyrovsky).

APPROVED FOR RELEASE: 06/13/2000

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Testing results of the Mitsubishi 4M20 4-cylinder type engines and
improvements performed on these engines. *Stal Techn. Cegielski St*
72-80 Special issue '61.

FUKA, Ja. (Itagus)

Limits of the Caratheodory theory. Col math 12 nr. 2:213-219 '64.

3. Submitted February 15, 1963.

FUKA, Josef

Fysika pro jedenacty postupny rocnik. (Physics for the 11th Grade. 3d ed. illus., indexes) Authors: Vladimir Rudolf, Josef Fuka, Alois Rlavicka. Prague, SPN, 1957. 336 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 709.

FUKA, J. ; SIROKY, J. ; KURAS, M.

"Ten years of universities and colleges in Olomouc; mathematics, physics, and chemistry." p. 5.

OLOMOUC, CZECHOSLOVAK REPUBLIC. VYSOKA SKOLA PEDAGOGICKA. SBORNIK. PRIRODNI VEDY. Olomouc, Czechoslovakia, No. 3, 1957.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959.
Uncl.

Fuka, J

CZECHOSLOVAKIA/General Section- Problems of Teaching.

A-5

Abs Jour : Referat Zhur - Fizika, No 1, 1958, 75

Author : Fuka Josef

Inst : -

Title : Systems of Units in the Teaching of Physics in School.

Orig Pub : Prirod. vedy. skole, 1957, 7, No 1, 25-31

Abstract : No abstract.

Card 1/1

2
Fuka, Jaroslav. Lösung der ersten Aufgabe der Elastizitätstheorie auf dem exzentrischen Ringe. Apl. Mat. 3 (1958), 45-66. (Czech. Russian and German summaries)

The first boundary value problem of the excentric elastic ring is solved by representation of the excentric ring on the concentric ring by which a new boundary value problem is defined, which is then solved by the method of stress-functions expanded into Laurent series, developed by Mushelishvili. The connecting relations are established between the solutions and boundary conditions of the two problems, on the basis of which the existence and uniqueness of the solution of the excentric ring is demonstrated.

A. M. Freudenthal (New York, N.Y.)

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V1

Z/026/62/007/001/002/004
D235/D305

AUTHOR: Fuka, Jaroslav

TITLE: The second problem of the plane theory of elasticity
for incompressible bodies

PERIODICAL: Aplikace matematiky, v. 7, no. 1, 1962, 21-36

TEXT: The author refers to the formulation of the problem (Ref.1: J. Golecki, Archiwum mechaniki stosowanej, 1959, XI. 3, 279-302). A theorem of uniqueness of the solution is established and proved. From the definition of the second problem, it follows that it can be reduced to the first problem for compressible bodies by substitution, in the case of a simple connected body. The necessary and sufficient condition for the existence of a solution is found to be

$$\operatorname{Im} \int_c \overline{g(t)} dt = 0 \quad (5)$$

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The second problem of ...

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where $g(t)$ is the one defining the boundary condition. It is found that the sum of the stresses $X_x + Y_y$ contains an arbitrary constant which (and consequently the hydrostatic pressure) can be defined so as to make the solution of the second problem for incompressible bodies to be the limit of the solution for compressible bodies with the same boundary condition. The author states that this result can be applied in hydrodynamics only in case of stationary flow; the hydrostatic pressure can then be determined in a natural way. There are 8 references; 6 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: L. Ahlfors, Complex analysis, New York - Toronto - London, 1953. ✓

SUBMITTED: February 7, 1961

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344200

35301
Z/026/62/007/003/001/003
D407/D301

AUTHOR: Fuka, Jaroslav, Candidate of Sciences

TITLE: Solving the second elasticity problem in an eccentric circular ring for an incompressible body

PERIODICAL: Aplikace matematiky, v. 7, no. 3, 1962, 171-185

TEXT: The article derives explicit formulas for solving the second elasticity problem in an eccentric circular ring (i.e. at given displacement on the boundary of the circular ring) for a homogeneous, isotropic, incompressible body. The paper is based on previous articles of the author (Ref. 2: Aplikace matematiky, 1962, 7, 21-26) and Ref. 3: (Aplikace matematiky, 1958, 3, 45-66) lists some auxiliary assertions, and uses homographic representation to derive the necessary expressions. It starts with the solution of an infinite system of linear equations - holomorphic functions - representing a specific problem in a concentric circular ring, and transfers them to the given problem of an eccentric circular ring. Components of the stress tensor X_x , Y_y are determined with the

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exception of that constant which physically represents the hydrostatic pressure. This constant, however, is determined according to Ref. 2 (Op cit) by a natural physical process in a way that the strain, given by solution of the second elasticity problem for $\sigma = 1/2$, is a limiting value of the strain for $\sigma \rightarrow 1/2$ at equal boundary conditions. ✓

ASSOCIATION: Matematický ústav ČSAV (Mathematical Institute, Czechoslovak AS)

SUBMITTED: June 27, 1961

Card 2/2

FUKA, Jaroslav

"Functions of a complex variable and some of their applications"
by B.A. Fuchs, V. I. Levin, Reviewed by Jaroslav Fuka. Aplikace
mat 8 no.2:159-160 '63.

FUKA, Jaroslav

"Lectures on the theory of functions" by A. Dinghas. Reviewed by
Jaroslav Fuka. Aplikace mat 8 no.3:225-227 '63.

FUKA, Jaroslav (Praha)

Conference on Analytic Functions in Crakow. Cas pro pes mat 88
no.1:125 '63.

FUKA, Jaroslav (presently in Moscow)

"Cluster sets" by Kiyoshi Noshiro. Reviewed by Jaroslav Fuka. Cas pro pest mat 88 no.4:495-497 '63.

"Quasi-conform reproductions" by Hans P. Kunzi. Reviewed by Jaroslav Fuka. Ibid.:497-501

FUKA, Josef (Olomouc)

Conference on the modernization of teaching physics.
Pokroky mat fyz astr 9 no.6:352-358 '64.

FUKA, Josef (Olomouc)

Modernization of teaching physics. Pokroky mat fyz str 10 no.1:
32-51 '65.

NEBESKY, Jaroslav, inz.; FUKA, Miroslav, inz.

Construction of a prestressed concrete tower. Inz stavby
6 no.3:119-122 Mr '58.

FUKAC, Milan, promovany matematik

Calculation of critical revolutions of rotors on automatic computers. Stroj cas 13 no.4:391-392 '62.

3

CZECHOSLOVAKIA

FUKAL, J; OCHONSKY, P; VALACH, V.

1. Institute of Pathological Anatomy of the Medical Faculty IU (Ústav patologické anatomie lékařské fakulty IU), Olomouc; 2. Stomatological Clinic of the Medical Faculty IU (Stomatologická klinika lž. fakulty IU), Olomouc

Prague, Czechoslovakian stomatology, No 4, 1963, pp 250-254

"Benign Pigmented Tumor in a Child."

FUKAL, R., MUDr.; BEHUNEK, J., MUDr.; VAGUNDA, S., MUDr.

Case of giant neurinoma. Cesk. neur. 19 no.4:268-270 Nov 56.

1. Z neurolog. odd., chir. odd. a prosektury KUNZ Gottwaldov
Prednostove: Prim. Dr. M. Muller, prim. Dr. V. Loutocky, prim.
E. Vanecek.

(NEURILEMMOMA, case reports,
sciatic nerve, giant case (Cz))

(NERVES, SCIATIC, neoplasms,
neurilemmoma, giant case (Cz))

ZUKALA, E.; MORAVEC, J.

"Higher vegetable production on specialized collective farms." P. 143

VESTNIK. Praha, Czechoslovakia; Vol. 6, No. 3, 1959

Monthly list of East European Accession Index (EEIA), Library of
Congress, Vol. 8, No. 7, July, 1959

Unclas

LISKA, Vladimir; FUKALA, Eugeniusz

Modified unsaturated polyester resins. Sbor VSCl.T Pardubice no.1:
181-188 '64.

1. Chair of Technology o Plastics of the Higher School of
Chemical Technology, Pardubice. Submitted October 19, 1963.

Fukala, Josef

... .. No 11, Dec 60, p 521

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(C)

FUKALOVA, L.A.

Effect of some nicotinic acid preparations on inflammation.
Farm. i toks. 26 no. 4:461-465 J1-Ag'63 (MIRA 17:4)

1. Kafedra farmakologii (zav. -prof. Yu.S. Grozman) Farmakologicheskogo meditsinskogo instituta.

FUKALA, O.; PILARSKY, J.

Intradermal vaccination against smallpox with vaccine diluted
with physiologic solution 1:200. Cesk. pediat. 20 no.9:831
S '65.

FUKALOVA, P.P. (Moskva)

Comparison of hygienic aspects of drying apparatus used in the
aniline dyeing industry. Oig. truda i prof. zav. 2 no.5:53-54
S-O '58 (MIRA 11:11)

1. Gorodskaya sanitarno-epidemiologicheskaya stanstsiya.
(DRYING APPARATUS--TEXTILE FABRICS--HYGIENIC ASPECTS)

L 35862-66 ENT(1) DD

ACC NR: AP6022515 (IV) SOURCE CODE: UR/0391/66/000/007/0005/0009

AUTHOR: Fukalova, P. P. (Moscow); Tolgsкая, M. S. (Moscow);
Nikogosyan, S. V. (Moscow); Kitsovskaya, I. A. (Moscow); Zenina, I. N.
(Moscow)

ORG: Institute of Industrial Hygiene and Occupational Diseases, AMN
SSSR (Institut gigiyeny truda i profzabolevaniy AMN SSSR)

TITLE: Research data on the standardization of EMP's in the short- and
ultrashort-wave ranges

SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 7,
1966, 5-9

TOPIC TAGS: microwave, microwave biologic effect, central nervous
system, UHF, human physiology, animal physiology, animal experiment,
industrial hygiene

ABSTRACT: In a survey of radio and television stations and establish-
ments which process dielectrics thermally, measurements using
various dosimeters showed that field intensities around short- and
ultrashort-wave sources were 8—450 v/m and 4—220 v/m, respectively.
The reaction speed and accuracy were studied in personnel exposed to

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UDC: 613.647

L 35862-66

ACC NR: AP6022515

these sources. Chronometric tests, observations of visual motor reactions, and work capacity were studied and are summarized in Table 1.

Table 1. Changes in the physiological functions of duty personnel in two radio stations (%)

Observed parameter	Shift							
	Evening		Day		Night			
					Station I		Station II	
	Station I	Station II	Station I	Station II	Before sleep	After sleep	End of shift	No sleep
Latent period of positive conditioned reflexes	0,0	0,0	16,1	12,6	2,2	2,2	6,6	0,0
Subsequent inhibition	6,9	4,1	24,3	18,7	0,0	2,1	13,0	0,0
Disinhibition of differentiation	20,0	10,0	40,0	20,0	60,0	60,0	70,0	30,0
Steadiness	21,4	33,0	50,0	21,4	33,0	19,9	33,3	25,0
No. of errors	1,5	1,0	2,5	1,0	3,0	3,0	4,0	2,0

It was concluded that the action of EMP's is aggravated by inefficient work-rest cycles which lead to shifts in various physiological reactions

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ACC NR: AP6022515

and the development of fatigue. To study the mechanism of the effect of EMF's, animals were exposed to 14, 88, and 69.7 Mc fields (5000 v/m intensity). Animals in the ultrashort-wave range were killed within 5 min, while those in the shortwave range died in 1 hr and 40 min. Nonthermal (no integral thermal effect such as increased body temperature) threshold intensity for the ultrashort-wave range was 150 v/m and for the shortwave range, 2250 v/m. Chronic exposure to these intensities (plus exposure to an ultrashort-wave intensity of 300 v/m) did not result in any substantial changes in body weight dynamics compared to control animals. However, a decrease in brain-stem cholinesterase activity occurred more rapidly during exposure to ultrashort waves than exposure to short waves. Both regimens decreased the excitability and weakened the inhibition process in chronically exposed rats. Such exposure also tended to depress brain biopotentials progressively. An ultrashort-wave intensity of 10 v/m and shortwave intensity of less than 50 v/m is a subthreshold irritant. Photos show the results of a cytomorphological examination of neural structures in exposed animals which revealed thickening of neural fibers, swelling and vacuolization of cell protoplasm in the thalamo-hypothalamic area and medulla oblongata, and local karyocytolysis of individual neurons. Shriveling of individual pyramid cells and individual vacuoles in neurons of the brain cortex was noted. Thus, it was found that an ultrashort-wave intensity of 150 v/m and a shortwave intensity of 2250 v/m is more than

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ACC NR: AP6022515

sufficient to cause physiological and morphological changes in neural structures and that the intensity of the effect depends on wave range, field intensity, and exposure duration. On the basis of these data, a permissible exposure intensity of 5 v/m is recommended for workers around ultrashort-wave sources and 20 v/m for workers around shortwave sources. Orig. art. has: 6 figures and 1 table. [CD]

SUB CODE: 06/ SUBM DATE: 07Jan65/ ORIG REF: 017/ OTH REF: 001
ATD PRESS: 50 37

Card 4/4 *llb*

AP6014690 DD/CG

AUTHOR: Fukalova, P. P.

ORG: Institute of Industrial Hygiene and Occupational Diseases, AMN SSSR, Moscow
(Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR)

SOURCE CODE: UR/0240/66/000/005/0112/0114

TITLE: Effectiveness of protective measures taken against the action of short and ultrashort-wave electromagnetic fields in radio and television stations

SOURCE: Gigiyena i sanitariya, no. 5, 1966, 112-114

TOPIC TAGS: microwave, UHF, biological effect, radiation protection

ABSTRACT: The field voltage of short and ultrashort electromagnetic fields in radio and television stations was measured with an INP-LIOT device. The value was found to vary from 8.0 to 450 v/m depending on the degree of transmitter shielding and position relative to the working area. In 1964, the Institute of Industrial Hygiene and Occupational Diseases, USSR Academy of Medical Sciences recommended a maximum permissible dose of 20 v/m for shortwave radiation and 5 v/m for ultrashortwave radiation. A table shows the results of a dosimetric survey conducted before and after the shielding of shortwave and ultrashortwave radio and television transmitters. Complete shielding of feeders lowered the field voltage from 40-250 v/m to 6-26 v/m for shortwave transmitters. Incomplete shielding of radiation sources gave unsatisfactory results. As an example, the shielding of feeders in the transmitter room only did not assure sufficient protection of workers from electromagnetic fields. When individual

UDC: 613.647:628.581:621.396.712

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L 24674-66

ACC NR: AP6014690

transmitters and their outlets were shielded, field voltage was reduced to 2-17 v/m. By far, the most effective protective measure against transmitter EMF was placing the control panels and equipment in shielded working areas. When this method was used, field voltage was reduced from unshielded values of 19-220 v/m to shielded values below the sensitivity of the dosimeter. Orig. art. has: 1 table. [CD]

SUB CODE: 05, 06/ SUBM DATE: none/ ATD PRESS: 4249

Card

2/2 F(1)

NIKONOVA, K. V.; FUKALOVA, P. P. (Moskva)

Hygienic evaluation of the working conditions and the effectiveness of protective measures for the inductive heating of metal using lamp generators of high frequency. Gig. truda i prof. zab. no.3:8-13 '62. (MIRA 15:4)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.

(INDUCTION HEATING--HYGIENIC ASPECTS)

FUKALOVA, P.P. (Moskva)

Hygienic evaluation of working conditions in thermal treatment
of dielectrics by high-frequency units. Gig. truda i prof. zab.
7 no.3:3-7 Mr'63 (MIRA 17:1)

1. Institut gigiyeny truda i professional'nykh zabolevaniy
AMN SSSR.

SAKOVICH, A.A., kand. tekhn. nauk; YUDITSKIY, S.B., kand. tekhn. nauk;
KURTSINA, Z.T., inzh.; FUKALOVA, R.A., inzh.;
IN'KOV, Yu.M., inzh.

Converter system with silicon rectifiers for a.c. multiple-
unit cars. Elektrotehnika 34 no.11:25-30 N '63.
(MIRA 17:2)

W. 1951, p. 1.

"Dendrological regional notes on Hrdovnikova's botanical handbook." p. 1951
(STANISLAV 1957, Vol. 76, no. 3, Aug. 1957, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 6, "1", Library of Congress,
August, 1953, "1951".

FRAXINUS, F.

"Narrow-leaved ash (Fraxinus angustifolia Vahl). p.455, (SOJINAKI ILI, Vol. 78, No. 9/10, Sept./ Oct. 1954, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, (LAL), L., Vol. 4, No. 4, Apr 1955, Uncl.

FUKAREK, P.

Supplement to the article "Narrow-Leaved Ash (Fraxinus angustifolia Vahl). " p. 16.
SUMARSKI LIST, Zagreb, Vol. 79, no. 1/2, Jan./Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

FUKARIEK, P.

Contribution to knowledge of forest associations in which the fieldash (*Fraxinus angustifolia* Vahl) grows. p. 30

SUMARSKI LIST, Zagreb, Vol 80, No. 1/2, Jan./Feb., 1956

SO: East European Accessions List, Vol 5, No. 10, Oct., 1956

FUKAREK, P.

Associations of mugho pine (Pinetum mughi Horvat) and some of their developmental tendencies in the Bosnia and Hercegovina mountains; a preliminary report. p. 343. (Socijalisticko Zamjodelstvo, Vol. 80, no. 11/12, Nov./Dec. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

COUNTRY : YUGOSLAVIA
 CATEGORY : Cultivated Plants. Industrial. Oleiferous. Sugar. M
 ABS. JOUR. : RZhBiol., No. 23 1958, No. 104764
 AUTHOR : Fukarek, P.
 INST. : ~~Forestry. Dendrology.~~
 TITLE : Euphorbia wulfenti Hoppe and Its Economic Significance
 for the Mediterranean Cavernous Regions.
 ORIG. PUB. : Narodni snegar, 1957, 11, No. 7-9, 229-233
 ABSTRACT : No abstract.

CARD: 1/1

Country : YUGOSLAVIA
 Category: Forestry. Dendrology.

K

Abs Jour: RZhBiol., No 11, 1958, No 48719

Author : Fukarek, P.

Inst : -

Title : New Data on the Narrowleaf Ash (*Fraxinus angustifolia*
 Vahl).

Orig Pub: Sumarski list, 1957, 81, No 1-2, 30-35

Abstract: This is a report on a new habitat of *F. angustifolia*
 in the Pannonskaya lowland. The conditions of growth
 and the composition of the plantings are briefly cha-
 racterized.

Card : 1/1

FUKAREK, P.

A document on the organization of forestry and the wood industry in Bosnia and Hercegovina from the time of the National Liberation War. p. 216.

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Uncl.

FUKAREK, P.

A dendrologic list of Bosnia and Hercegovina. p. 263.

NARODNI SUMAR. (Društvo sumarskih inženjera i tehničara Bosne i Hercegovine)
Sarajevo, Yugoslavia. Vol. 13, no. 5/6, 1959.

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Uncl.

FUKAREK, P.

Protection of nature in Yugoslavia. Okhr.prir.i zapov.delo v SSSR
no.4:121-125 '60. (MIRA 13:6)

1. Komissiya po okhrane prirody Instituta okhrany pamyatnikov
prirody i kul'tury Narodnoy Respubliki Bosnii i Gertsegoviny.
(Yugoslavia--National parks and reserves)

FUKAREK, Pavle

The distribution borders of the most characteristic floral
elements in the vegetation of Hercegovina. Geogr pregl 6:
73-96 '62.

FUKARAK, P.; SAFAR, J.; MESTROVIC, S.; KLEPAC, D.; LLENICEK, Z.; ZMIJANAC, D.;
SEVNIK, F.; ZAGAR, B.; MIKLAVZIC, J.; KNEZ, A.; PIPAN, R.; FUNKL, L.;
SVETLICIC, A.; ZUMER, L.; KREVO, R.

Reveiw of periodicals; silviculture. Bul se Young 9 no.4/5:144-
145 Ag-0 '64.

MERKULOV, G.; STERN, P.; FUKAREK, V.

Effect of benemid on PAS excretion; in a case of pulmonary tuberculosis with diabetes insipidus. Tuberkuloza, Beogr. 8 no.2:106-109 Mar-Apr 56.

1. Gradska poliklinika i Farmakoloski institut Medicinskog fakulteta Sarajevu.

(TUBERCULOSIS, PULMONARY, compl.

diabetes insipidus, eff. of probenecid on PAS urine excretion (Ser))

(DIABETES INSIPIDUS, compl.

tuberc., pulm., eff. of probenecid on PAS urine excretion (Ser))

(PARA-AMINOSALICYLIC ACID, in urine

excretion inhib. by probenecid in pulm. tuberc. with diabetes insipidus (Ser))

(URINE,

PAS, excretion inhib. by probenecid in pulm. tuberc. with diabetes insipidus (Ser))

(PROBENECID, eff.

inhib. of PAS urine excretion in pulm. tuberc. with diabetes insipidus (Ser))

HUKOVIC, S.; FUKAREK, V.; STERN, P.

Effect of the destruction of intestinal flora on the activity of ferments; trypsin lipase, diastasis and alkaline phosphatase. Med. arh., Sarajevo 10 no.2:11-14 Mar-Apr 56.

1. Iz Farmakoloskog instituta Medicinskog fakulteta u Sarajevu.

(BACTERIA

intestinal, eff. of antibiotic induced imbalance on blood alkaline phosphatase, lipase & trypsin in rabbits (Ser))

(ANTIBIOTICS, inj. eff.

intestinal bact. imbalance, eff. on blood alkaline phosphatase, lipase & trypsin in rabbits (Ser))

(INTESTINES, bacteriol.

intestinal imbalance induced by antibiotics, eff. on blood alkaline phosphatase, lipase & trypsin in rabbits (Ser))

(BLOOD

alkaline phosphatase, lipase & trypsin, eff. of antibiotic induced intestinal bact. imbalance in rabbits (Ser))

(PHOSPHATASE in blood

alkaline, eff. of antibiotic induced intestinal bact. imbalance in rabbits (Ser))

(LIPASES, in blood,

eff. of antibiotic induced intestinal bact. imbalance in rabbits (Ser))

(TRYPSIN, in blood

same)